



MAIL STOP
AMENDMENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J.M. Nuss et al. Attorney Docket No.: CHIR122036
Application No.: 10/719,896 Group Art Unit: 1614
Filed: November 21, 2003
Title: SMALL MOLECULE PI 3-KINASE INHIBITORS
AND METHODS OF THEIR USE

INFORMATION DISCLOSURE STATEMENT

Seattle, Washington 98101

May 17, 2004

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. X Copies of the listed publications, and other information are enclosed for the Examiner's use.
2. X Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed within three months of the filing date of the national application (other than a CPA), within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, before the mailing date of a first Office Action on the merits, or before the mailing date of a first Office Action after the filing of an RCE.
3. X Pursuant to 37 C.F.R. § 1.704(d), this Information Disclosure Statement is accompanied by a statement that each item of information contained in this Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart application. Such communication was received by an individual designated in 37 C.F.R. § 1.56(c) on April 21, 2004, which is not more than thirty days prior to the filing of this Information Disclosure Statement.
4. X The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the

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appropriate length required upon the filing of any reply during the entire prosecution of this application.

Respectfully submitted,

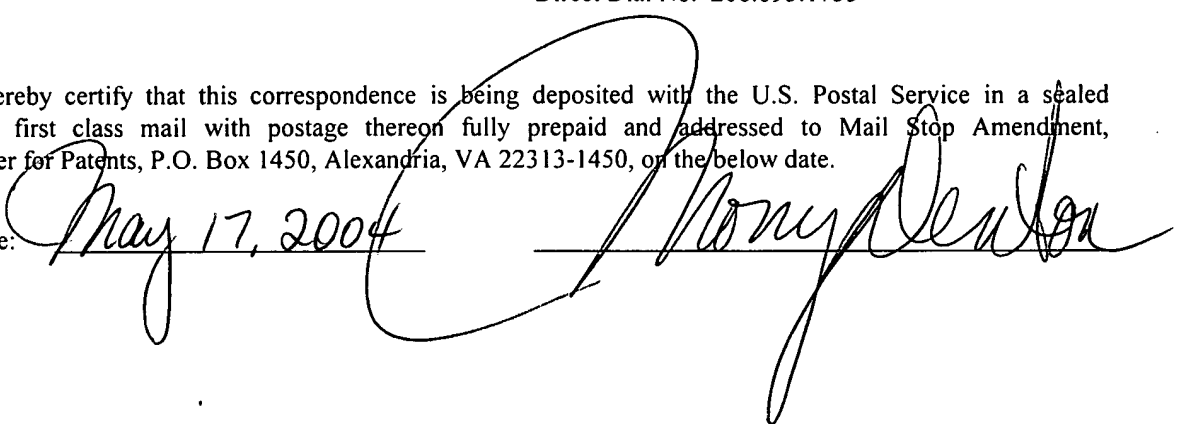
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Registration No. 37,919
Direct Dial No. 206.695.1755

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CERTIFICATION STATEMENT UNDER 37 C.F.R. § 1.97(e) AND/OR § 1.704(d)

Seattle, Washington 98101

May 17, 2004

TO THE COMMISSIONER FOR PATENTS:

1. I, the person signing below, state that each item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
2. I, the person signing below, am the attorney or agent who prepared or prosecuted the application, signing on the basis of the information in my file.

Respectfully submitted,

CHRISTENSEN O'CONNOR
JOHNSON KINDNESS^{PLLC}

George E. Renzoni

George E. Renzoni, Ph.D.

Registration No. 37,919

Direct Dial No. 206.695.1755

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INFORMATION CITED BY APPLICANT(S) THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION

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U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
	U1	3,975,384	A	08/17/1976	Narr et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
	F1	EP 0459 830	A1	12/04/1991	EP		
	F2	WO 01/72745	A1	10/04/2001	WO		
	F3	WO 01/83456	A1	11/08/2001	WO	X	
	F4	WO 02/22608	A1	03/21/2002	WO		
	F5	WO 02/062789	A1	08/15/2002	WO		
	F6	WO 02/102313	A2	12/27/2002	WO		
	F7	EP 1 277 738	A1	01/22/2003	EP		
	F8	WO 03/030909	A1	04/17/2003	WO		

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OTHER INFORMATION
(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
_____	O1	Brown, D.M., and George A.R. Kon, "Some Heterocyclic Analogues of Stilbenes," <i>J. Chem. Soc.</i> :2147-2153, 1948.
_____	O2	Bundy, G.L., et al., "Synthesis of 2,4-Diaminopyrrolo[2,3- <i>d</i>]Pyrimidines Via Thermal Fischer Indolization. Pyrazole Formation with Ytterbium Triflate Catalysis," <i>J. Heterocyclic Chem.</i> 37:1471-1477, Nov.-Dec. 2000.
_____	O3	Bundy, G.L., et al., "Synthesis of Novel 2,4-Diaminopyrrolo[2,3- <i>d</i>]Pyrimidines With Antioxidant, Neuroprotective, and Antiasthma Activity," <i>J. Med. Chem.</i> 38:4161-4163, 1995.
_____	O4	Cabaj, J.E., et al., "Bromine-Mediated Addition of Nucleophiles to the Electron-Rich Pyrimidine Subunit of Tirilazad," <i>J. Org. Chem.</i> 59:5090-5092, 1994.
_____	O5	Kowalewski, A., et al., "Unfused Hetrobicycles as Amplifiers of Phleomycin. IV 4,5'-Bipyrimidines with Dimethylamino and/or Dimethylaminoethylamino Substituents," <i>Aust. J. Chem.</i> 34(12):2929-2933, 1981.
_____	O6	Ouf, A.A. Abou, et al., "Preparation of Some Methyl Pyrimidines Expected to be Antimetabolites," <i>Egypt J. Pharm. Sci.</i> 14(2):180-195, 1973.

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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